

Level of Service Criteria for Signalized Intersections																																			
Level of Service	Average Control Delay (sec/veh)	General Description (Signalized Intersections)																																	
A	A ≤10	Free Flow																																	
B	B >10 - 20	Stable Flow (slight delays)																																	
C	C >20 - 35	Stable flow (acceptable delays)																																	
D	D >35 - 55	Approaching unstable flow (tolerable delay, occasionally wait through more than one signal cycle before proceeding)																																	
E	E >55 - 80	Unstable flow (intolerable delay)																																	
F	F >80	Forced flow (jammed)																																	
				(A) CURRENT PROGRAMMING				DELAY (SEC)						(B) MAIN STREET ONE LANE WITH SBLT & NBRT AT BELL STREET AND NO BARNES DANCE AT ANY INTERSECTION				DELAY (SEC)						(C) MAIN STREET ONE LANE WITH SBLT & NBRT AT BELL STREET AND BARNES DANCE AT BELL STREET ONLY				DELAY (SEC)				(B) - (A) INTERSECTION CHANGE (+SEC DELAY)		(C) - (A) INTERSECTION CHANGE (+SEC DELAY)	
A M P E A K	Main Street at Orange Street		LOS INTERSECTION TOTAL		LOS PER APPROACH				LOS INTERSECTION TOTAL		LOS PER APPROACH				LOS INTERSECTION TOTAL		LOS PER APPROACH																		
			LOS C	29.8	EB	WB	NB	SB	LOS D	39.0	EB	WB	NB	SB	LOS D	44.2	EB	WB	NB	SB	9.2	14.4													
					21.3	32.2	33.0	36.8			16.5	21.7	63.1	27.1			16.7	20.2	75.2	27.1															
	Main Street at Bell Street																																		
			LOS C	23.1	EB	WB	NB	SB	LOS C	24.8	EB	WB	NB	SB	LOS D	47.7	EB	WB	NB	SB	1.7	24.6													
					N/A	45.2	16.9	12.0			N/A	37.1	26.6	13.2			N/A	50.9	52.0	40.6															
	Main Street at Washington Street																																		
			LOS D	38.1	EB	WB	NB	SB	LOS C	34.0	EB	WB	NB	SB	LOS C	34.0	EB	WB	NB	SB	-4.1	-4.1													
				18.5	43.0	58.1	40.1			21.7	39.4	47.7	29.9			21.7	39.4	47.7	29.9																
Franklin Street at Washington Street																																			
		LOS C	26.2	EB	WB	NB	SB	LOS C	22.5	EB	WB	NB	SB	LOS C	21.1	EB	WB	NB	SB	-3.7	-5.1														
				63.4	14.9	3.8	44.8			44.2	12.8	4.6	41.4			44.2	12.8	4.6	36.7																
N O N P E A K	Main Street at Orange Street		LOS INTERSECTION TOTAL		LOS PER APPROACH				LOS INTERSECTION TOTAL		LOS PER APPROACH				LOS INTERSECTION TOTAL		LOS PER APPROACH																		
			LOS B	19.1	EB	WB	NB	SB	LOS B	18.1	EB	WB	NB	SB	LOS B	18.0	EB	WB	NB	SB	-1	-1.1													
					10.3	18.8	22.2	29.5			7.9	18.1	21.5	29.5			7.9	17.7	21.5	29.5															
	Main Street at Bell Street																																		
			LOS B	16.0	EB	WB	NB	SB	LOS B	19.8	EB	WB	NB	SB	LOS C	30.8	EB	WB	NB	SB	3.8	14.8													
					N/A	32.3	13.5	9.6			N/A	30.7	20.3	13.6			N/A	37.1	27.7	30.4															
	Main Street at Washington Street																																		
			LOS C	28.5	EB	WB	NB	SB	LOS C	28.4	EB	WB	NB	SB	LOS C	28.4	EB	WB	NB	SB	-0.1	-0.1													
				22.6	34.1	33.3	27.1			21.3	33.9	35.1	29.5			21.4	33.9	35.1	29.5																
Franklin Street at Washington Street																																			
		LOS B	19.6	EB	WB	NB	SB	LOS B	18.7	EB	WB	NB	SB	LOS B	17.9	EB	WB	NB	SB	-0.9	-1.7														
				38.4	8.6	4.0	43.3			36.7	10.2	4.4	38.8			36.7	10.2	4.4	36.2																
P M P E A K	Main Street at Orange Street		LOS INTERSECTION TOTAL		LOS PER APPROACH				LOS INTERSECTION TOTAL		LOS PER APPROACH				LOS INTERSECTION TOTAL		LOS PER APPROACH																		
			LOS C	23.6	EB	WB	NB	SB	LOS C	23.9	EB	WB	NB	SB	LOS C	27.4	EB	WB	NB	SB	0.3	3.8													
					13.6	23.9	28.8	36.5			13.1	21.4	32.5	33.4			12.8	20.1	43.4	33.4															
	Main Street at Bell Street																																		
			LOS C	34.2	EB	WB	NB	SB	LOS D	41.9	EB	WB	NB	SB	LOS F	90.0	EB	WB	NB	SB	7.7	55.8													
					N/A	39.0	37.3	30.2			N/A	34.6	39.9	45.9			N/A	42.1	89.8	89.8															
	Main Street at Washington Street																																		
			LOS D	46.1	EB	WB	NB	SB	LOS D	41.1	EB	WB	NB	SB	LOS E	58.3	EB	WB	NB	SB	-5	12.2													
				43.7	56.8	44.1	35.9			39.6	50.8	39.6	31.6			57.3	50.7	50.9	72.1																
Franklin Street at Washington Street																																			
		LOS C	23.5	EB	WB	NB	SB	LOS C	21.7	EB	WB	NB	SB	LOS C	21.9	EB	WB	NB	SB	-1.8	-1.6														
				45.8	7.0	4.6	56.0			43.5	16.6	4.3	42.2			43.6	17.9	5.8	37.9																